



SIDE VIEW
Scale: 1 1/2" = 1'-0"

DATA SCHEDULE

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Type	Sole Plate			Sliding Plate				Radius	Masonry R				Hole Loc.		Hgt.	Loads (Kips)			Total Expansion ± (0°F - 120°)
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Vert.	Horiz.	Dead		
ME36 - I	21	9½	1⅞	20	7½	1¾	1 ±	11	21	11	1	8½	1½	3¾	150	15	75	1	
ME36 - II	23	10½	2	22	8½	1¾	1 ±	12	23	12	1	9½	1½	3¾	200	20	100	1	
ME36 - III	25	11½	2	24	9½	1¾	1 ±	15	25	13	1	10½	1½	3¾	250	25	125	1	
ME36 - IV	26	13½	2⅜	25	11½	2⅞	1 ±	15	26	16	1	11	2	4⅞	300	30	150	1½	
ME36 - V	29	15½	2½	28	13½	2⅜	1 ±	18	29	17	1½	12½	2	4⅞	350	35	175	1¾	
ME36 - VI	30	16½	2¾	29	14½	2⅝	1 ±	18	30	20	1½	13	2¼	5⅞	400	40	200	2¼	

Note: All dimensions are in inches.

Note:

- Sole and masonry plates to be ASTM A 709 Grade 36, steel painted to match finished bridge color, convex plate shall be a self lubricating bronze bearing plate conforming to 910.01.
- Fill slots and holes around anchor bolts with nonhardening caulking compound or elastic joint sealer.
- 1000 RMS (Finish all over) except where otherwise noted.
- Rotation 1/2° ± Maximum.
- Design Masonry Bearing Load 1.0 KSI.
- Top of sole plate must be beveled to fit grade of bottom flange.
- Unless otherwise noted, bearings shall be placed normal to Φ of stringer.
- Plates are to be shipped as units.

- If more than one size bearing is called for, Contractor may furnish all bearings of the larger size provided the bearing pads are altered to accommodate same. No increase in any prices bid will be allowed if this option is selected.
- All anchor bolts and washers shall be unpainted ASTM A 709 Grade 36 galvanized steel. All nuts shall be unpainted ASTM A 307 galvanized steel.
- Medium span range is considered 50' to 150' simple span lengths and comparable span continuous units.

APPROVAL	
<i>E. S. Friedman</i> DIRECTOR	OFFICE OF STRUCTURES
DATE: 11/14/80	
REVISIONS	
SHA	FHWA
1-4-94	-
6-9-94	-
FHWA APPROVAL	11-17-99
DATE: 6-8-90	1-22-01

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF STRUCTURES

BRONZE EXPANSION BEARING
MEDIUM LENGTH SPANS
(GRADE 36 STEEL)

STANDARD NO. BR-SS(9.01)-80-114

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